

**Name: Ms. Williams      5-501**

**Proposal Project – Lesson Plan #1**

**Sustainability Topic:** Environmental Health

**Sustainability Goal:** Students will learn ways to recycle which can help their school community

**Grade: 5th**

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**Standard:** CCSS RI. 5.2

**Procedure:**

**Introduction/ Warm up :** The word recycle will be written on chart paper and students will be asked to brainstorm words or questions that came to mind when they were presented with the word.

**Student generated questions: Danielson 3b**

Students will generate questions about the recycling process and what materials can be reused , reduced and recycled. ( These questions we will seek to answer in our research)

**Instructional activities :**

Students will view a Brain pop video on ). <https://www.brainpop.com/technology/scienceandindustry/recycling/>

Students will be grouped and provided with pictures of items that can and cannot be recycled . It will be up to the students to group the items in according to their understanding of their ability to be recycled. They will have to put the items in boxes one labelled trash the other labeled recyclable.( This items will be noted and are to stay in the group box during the duration of the lesson however, at any time they may be move as long as the group agrees on the change. )

Items pictured: Glass Jars, Plastic water bottles, Plastic food wrap, Cardboard boxes, Plastic bags, Newspapers, Shredded Paper, Notebook and printer paper, Light bulb, Notebook and printer paper Plastic yogurt cups and soda cans,

### **Small group ( on leveled students) Danielson 3C**

Students will view articles that discuss the recycling problems and solution.

Through looking at this information students will document the issues of recycling and how they the were resolved.

<http://www.timeforkids.com/news/earth-day/87036>

<http://www.kidsdiscover.com/teacherresources/recycling-for-kids/>

### **Small group( below level students) Danielson 3c**

Students will work in groups on an interactive website the will help them acquire the understanding of different items and what can be done with them. While they are exploring this video they will be asked to take notes on their worksheet to reference later for their finished product.

This website allows for students to move items into several areas such as a recycling depot, recycling bin, trash can , or organic bin : When they get it correct they get stars and are able to move forward through the five levels as they grasp important understanding.

<http://www.surrey.ca/city-services/18153.aspx>

### **Students will then answer the following questions: Danielson 3b**

- 1.Remember: What does it means when we say environmental health?
- 2.Understand: Give an example of environmental health.
- 3.Apply: Tell what impact on the environment would be if people focused on the environmental health issue you chose above.
- 4.Analyze: What do you see as a possible outcome on the implementation of the environment health concern you chose .
- 5.Create: Can you design a public service announcement the will inform people of your environmental concern and how what you found to be a solution .
- 6.Evaluate: What are the pros and cons of being aware of environmental health issues

**Books:**

Paper ( Reduce, Reuse, Recycle) by Alexandra Fix

The Adventure of a Plastic Bottle by Alison Inches

Why Should I Recycle? by Jen Green , Mike Gordon

What Happens at a Recycling Center? by Kathleen Pohl

**Assessment :**

Students will have a choice board in which each group will have to select a finished project to do.

- 1) Make a flyer or poster that contains illustrations and dialogue that reach out to the school community.
- 2) Develop a public service announcement video
- 3) Create a written script that initially speaks of recycling not happening and then implement a solution.
- 4) Create a secondary object out of recycled materials.
- 5) Create a recycling plan for the school cafeteria to be implemented